



Salmonella core antigen (5D12A): sc-52219

BACKGROUND

Salmonella is a genus of rod-shaped Gram-negative enterobacteria that causes typhoid fever, paratyphoid fever and foodborne illness. It is motile in nature and produces hydrogen sulfide. While salmonellosis is often considered to affect primarily the gastrointestinal tract, infection at other sites may occur, such as the peripheral or visceral arteries, with the abdominal aorta being the most frequent site of vascular infection. After a *Salmonella* infection, reactive arthritis (or Reiters Syndrome) may develop. The Salmonella core antigen resides on *Salmonella enteritidis D*, *paratyphi A*, *typhimurium B*, *cholerae*, *newport*, *anatum* and *Selandia*.

REFERENCES

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SOURCE

Salmonella core antigen (5D12A) is a mouse monoclonal antibody raised against heat inactivated bacterial cells of *Salmonella enteritidis*, *Salmonella paratyphi* and *Salmonella typhimurium* origin.

PRODUCT

Each vial contains 100 µg IgG₁ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Salmonella core antigen (5D12A) is recommended for detection of Salmonella pan group core antigen of *Salmonella enteritidis D*, *paratyphi A*, *typhimurium B*, *cholerae*, *Newport*, *anatum* and *Selandia* origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Immunofluorescence: use m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

SELECT PRODUCT CITATIONS

- Suo, Z., Yang, X., Avci, R., Deliorman, M., Rugheimer, P., Pascual, D.W. and Idzerda, Y. 2009. Antibody selection for immobilizing living bacteria. *Anal. Chem.* 81: 7571-7578.
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STORAGE

Store at 4° C, **DO NOT FREEZE** Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.